BRUHAT BANGALORE MAHANAGARA PALIKE
RAJARAJESHWARINAGARA ZONE

Estimate Cost Rs. **250000.00**

Name of Work: Detailed Estimate for Cleaning of burial ground and providing water tank at attigenahalli Burial ground in ward No. 05

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRRB 200-clearing and grubbing road landKSRRB 200-8 : Cleaning and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and tress of girth upto 300mm by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials within a lead of 100 meters from road boundary, labour charges complete as per specifications. MORTH chapter 2. No. 143/ Item No. 18.11/ PWD SR 2018-19								
			2	60.00	40.00		**4800.00**	**10.80**	**51840.00**
	Basic Rate	10.00							
	Area Weightage @ 8%	0.80							
	Total	**10.80**							
	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.1/ PWD SR 2016-17	Cum							
	For Burial ground cleaning		1	60.00	60.00	0.10	360.00		
	For Pipeline		1	65.00	0.90	0.60	35.10		
							395.10	140.40	**55472.00**
	Basic Rate	130.00							
	Area Weightage @ 8%	10.40							
	Total	**140.40**							
	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **ordinary soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2018-19	Cum							
	For Cistern Tank		2	1.50	1.50	0.75	3.38		
							3.38	322.92	**1090.00**
	Basic Rate	299.00							
	Area Weightage @ 8%	23.92							
	Total	**322.92**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2018-19	Cum							
			2	1.50	1.50	0.15	0.68		
							0.68	5510.16	**3719.00**
	Basic Rate	5102.00							
	Area Weightage @ 8%	408.16							
	Total	**5510.16**							
	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2018-19	Sqm							
	For Cistern Tank		2	1.50	1.50	1.00	4.50		
							4.50	5921.64	**26647.00**
	Basic Rate	5483.00							
	Area Weightage @ 8%	438.64							
	Total	**5921.64**							
	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 12/ Item No. 4.11/ PWD SR 2018-19	Cum							
			2	1.50	1.50	0.15	0.68		
							0.68	6111.72	**4125.00**
	Basic Rate	5659.00							
	Area Weightage @ 8%	452.72							
	Total	**6111.72**							
	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2018-19	Sqm							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			4	1.50		1.00	6.00		
							6.00	104.76	**629.00**
	Basic Rate	97.00							
	Area Weightage @ 8%	7.76							
	Total	**104.76**							
	KSRRB M2900-2.1: Laying reinforced cement concrete pipe NP4 / prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets complete as per specifications, MORTH Specification No 2900 A.1200mm dia , No. 257 Item No. 34.2 PWD SR 2018-19	No.							
			2				**2**	10956.60	**21913.00**
	Basic Rate	10145.00							
	Area Weightage @ 8%	811.60							
	Total	**10956.60**							
	Erection of RCC Hume Piepe Pump House/Cistern on size stone masory platform including transportaion charges and handling with all necessary tools and plants complete as directed by the Engineer in charges of works Page No. 20, I No. 3.17 PRED SR 2012-13	Each							
			2				**2**	1220.00	**2440.00**
	Labour charges for giving 50MM dia G.I Pipe end connection from rising main to cistern including cutting thereding conveying laying abnd jointing etc., complete inclusive of fixing 4 Nos. of 20mm dia, G.I Pipes with taps to the cistern. Page No. 19, I No. 3.13 PRED SR 2012-	Each							
			2				**2**	1388.00	**2776.00**
	Providing and Constructing stand post of size 1.22mX1.22m for public foundation with RCC post of size 1.22mS0.38mX0.10m with top rounded and RCC kerb slabs of size 1.22mX0.30mX0.05m in CC 1:2:4 proportion with 12mm size granite, trap or basalt jelly with nominal reinforcement as per design, plastring with CM 1:4 20mm thick to the exposed faces, with pot rest slab of size0.45mX0.30mX0.20m in CC 1:2:4 proportion with central dip and CC platform 1:2:4 proportion 10cm thick and smooth finishing with CM 1:3 to exposed faces with necessary from work, centring, mixing curing as per specifications including cost of steel and necessary earthwork excavation and disposing of the excavated earth as directed with all leads and lifts ect. **Page No. 20, I No. 3.16 PRED SR 2012-13**	**Each**							
	For Taps		8				**8**	2707.00	**21656.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 94, I.NO - 13.73.2, PWD SR 18-19)	Mtr							
			1	65.00			65.00		
							65.00	394.32	25631.00
	Basic Rate	372.00							
	6% area weightage	22.32							
	Total	394.32							
3	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50mm, and lift upto 1.5m, including cost of all labour complete as per specifications, No. 6/ Item No. 2.11/ PWD SR 2013-14	Cum							
				Qty Vide Item No.10			35.10	60.48	2123.00
	Basic Rate	56.00							
	Area Weightage @ 8%	4.48							
	Total	**60.48**							
	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13, Page No. 100 Item No. 13.55 / PWD SR 2018-19	Nos							
			2				2	1436.40	2873.00
	Basic Rate	1330.00							
	Area Weightage @ 8%	106.40							
	Total	**1436.40**							
	For 12% GST								26752.00
	Miscesallaneous Charges	L/S							314.00
									250000.00

ADMINISTRATIVE APPROVAL
Accorded For Rs. Two lakhs fifty thousand only
Head of A/c P-3291
Div. Ref. No. 68 Date 20/02/19
AE 20/02
EE(BTP) 20/02

TECHNICAL SANCTION
Accorded For Rs. Two lakhs fifty thousand only
Head of A/c P-3291
Div. Ref. No. 112 Date 20/02/19
AE 20/02
EE(BTP) 20/02

Grand Total 222934.00

RTIFICATE :

The work spot has been inspected and the work is found necessary.
This estimate is prepared as per S.R.of PWD 2018-19 and , Rural Engineering Department and PRED 2013-14
The provisions were made in this estimate are necessary and adequate.
This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 05
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Executive Engineer
Bruhat Bangalore Mahanagara Palike

Assistant Executive Engineer
Byatarayanapura Sub Division
ಸಹಾಯಕ ಕಾರ್ಯ ನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24